



PERMIT # 16 115857 00 B1

U.S. DEPARTMENT OF HOMELAND SECURITY  
 Federal Emergency Management Agency  
 National Flood Insurance Program

OMB No. 1660-0008  
 Expiration Date: November 30, 2018

# ELEVATION CERTIFICATE

Important: Follow the instructions on pages 1-9.

Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance agent/company, and (3) building owner.

SECTION A - PROPERTY INFORMATION	FOR INSURANCE COMPANY USE
A1. Building Owner's Name Doug Fields	Policy Number:
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 503 Azalea Road	Company NAIC Number:
City Venice	State Florida
	ZIP Code 34293
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) Lots 4470 & 4471/ South Venice Unit No. 17	
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) <u>Residential</u>	
A5. Latitude/Longitude: Lat. <u>27°03'01"</u> Long. <u>82°24'54"</u> Horizontal Datum: <input type="checkbox"/> NAD 1927 <input checked="" type="checkbox"/> NAD 1983	
A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance.	
A7. Building Diagram Number <u>1B</u>	
A8. For a building with a crawlspace or enclosure(s):	
a) Square footage of crawlspace or enclosure(s) <u>n/a</u> sq ft	
b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade <u>n/a</u>	
c) Total net area of flood openings in A8.b <u>n/a</u> sq in	
d) Engineered flood openings? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
A9. For a building with an attached garage:	
a) Square footage of attached garage <u>468</u> sq ft	
b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade <u>4</u>	
c) Total net area of flood openings in A9.b <u>462</u> sq in	
d) Engineered flood openings? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION					
B1. NFIP Community Name & Community Number Sarasota County 125144			B2. County Name Sarasota		B3. State Florida
B4. Map/Panel Number 12115C0341	B5. Suffix F	B6. FIRM Index Date 11/04/2016	B7. FIRM Panel Effective/ Revised Date 11/04/2016	B8. Flood Zone(s) AE	B9. Base Flood Elevation(s) (Zone AO, use Base Flood Depth) 10'
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9: <input type="checkbox"/> FIS Profile <input checked="" type="checkbox"/> FIRM <input type="checkbox"/> Community Determined <input type="checkbox"/> Other/Source: _____					
B11. Indicate elevation datum used for BFE in Item B9: <input type="checkbox"/> NGVD 1929 <input checked="" type="checkbox"/> NAVD 1988 <input type="checkbox"/> Other/Source: _____					
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Designation Date: _____ <input type="checkbox"/> CBRS <input type="checkbox"/> OPA					

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<b>IMPORTANT: In these spaces, copy the corresponding information from Section A.</b>			<b>FOR INSURANCE COMPANY USE</b>		
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 503 Azalea Road			Policy Number:		
City Venice	State Florida	ZIP Code 34293	Company NAIC Number		

## SECTION C – BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)

C1. Building elevations are based on:     Construction Drawings\*     Building Under Construction\*     Finished Construction

\*A new Elevation Certificate will be required when construction of the building is complete.

C2. Elevations – Zones A1–A30, AE, AH, A (with BFE), VE, V1–V30, V (with BFE), AR, AR/A, AR/AE, AR/A1–A30, AR/AH, AR/AO. Complete Items C2.a–h below according to the building diagram specified in Item A7. In Puerto Rico only, enter meters.

Benchmark Utilized: NGS BM PID # DL2695      Vertical Datum: NAVD 1988

Indicate elevation datum used for the elevations in items a) through h) below.

NGVD 1929     NAVD 1988     Other/Source: \_\_\_\_\_

Datum used for building elevations must be the same as that used for the BFE.

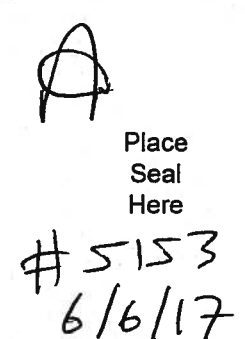
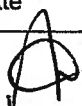
Check the measurement used.

- |   |     |   |  |                                 |
|---|-----|---|--|---------------------------------|
| a) Top of bottom floor (including basement, crawlspace, or enclosure floor)   | 10  | 2 | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| b) Top of the next higher floor   | n/a |   | <input type="checkbox"/> feet            | <input type="checkbox"/> meters |
| c) Bottom of the lowest horizontal structural member (V Zones only)   | n/a |   | <input type="checkbox"/> feet            | <input type="checkbox"/> meters |
| d) Attached garage (top of slab)  | 9   | 7 | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| e) Lowest elevation of machinery or equipment servicing the building<br>(Describe type of equipment and location in Comments) | 10  | 3 | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| f) Lowest adjacent (finished) grade next to building (LAG)  | 9   | 8 | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| g) Highest adjacent (finished) grade next to building (HAG)   | 10  | 3 | <input checked="" type="checkbox"/> feet | <input type="checkbox"/> meters |
| h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support                                  | n/a |   | <input type="checkbox"/> feet            | <input type="checkbox"/> meters |

## SECTION D – SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information. I certify that the information on this Certificate represents my best efforts to interpret the data available. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.

Were latitude and longitude in Section A provided by a licensed land surveyor?     Yes     No     Check here if attachments.

Certifier's Name Joseph E. Trott	License Number #5153	
Title President		
Company Name Meridian Group of South Florida, Inc.		
Address 493 Barger Drive, Unit A		
City Port Charlotte	State Florida	
Signature 	Date 6/06/2017	Telephone (941) 766-0011

Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance agent/company, and (3) building owner.

Comments (including type of equipment and location, per C2(e), if applicable)

Elevation in item C2e refers to an exterior concrete air conditioner pad.

Engineered Flood Openings in item A9b have a rated total net area of 880 sq. ft.

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City Venice	State Florida	ZIP Code 34293	Company NAIC Number

## SECTION E – BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO AND ZONE A (WITHOUT BFE)

For Zones AO and A (without BFE), complete Items E1–E5. If the Certificate is intended to support a LOMA or LOMR-F request, complete Sections A, B, and C. For Items E1–E4, use natural grade, if available. Check the measurement used. In Puerto Rico only, enter meters.

- E1. Provide elevation information for the following and check the appropriate boxes to show whether the elevation is above or below the highest adjacent grade (HAG) and the lowest adjacent grade (LAG).
- a) Top of bottom floor (including basement, crawlspace, or enclosure) is \_\_\_\_\_  feet  meters  above or  below the HAG.
  - b) Top of bottom floor (including basement, crawlspace, or enclosure) is \_\_\_\_\_  feet  meters  above or  below the LAG.
- E2. For Building Diagrams 6–9 with permanent flood openings provided in Section A Items 8 and/or 9 (see pages 1–2 of Instructions), the next higher floor (elevation C2.b in the diagrams) of the building is \_\_\_\_\_  feet  meters  above or  below the HAG.
- E3. Attached garage (top of slab) is \_\_\_\_\_  feet  meters  above or  below the HAG.
- E4. Top of platform of machinery and/or equipment servicing the building is \_\_\_\_\_  feet  meters  above or  below the HAG.
- E5. Zone AO only: If no flood depth number is available, is the top of the bottom floor elevated in accordance with the community's floodplain management ordinance?  Yes  No  Unknown. The local official must certify this information in Section G.

## SECTION F – PROPERTY OWNER (OR OWNER'S REPRESENTATIVE) CERTIFICATION

The property owner or owner's authorized representative who completes Sections A, B, and E for Zone A (without a FEMA-issued or community-issued BFE) or Zone AO must sign here. The statements in Sections A, B, and E are correct to the best of my knowledge.

Property Owner or Owner's Authorized Representative's Name

Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ ZIP Code \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_ Telephone \_\_\_\_\_

Comments

Check here if attachments.

# BUILDING PHOTOGRAPHS

See Instructions for Item A6.

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## ELEVATION CERTIFICATE

**IMPORTANT: In these spaces, copy the corresponding information from Section A.**

**FOR INSURANCE COMPANY USE**

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.  
503 Azalea Road

Policy Number:

City State ZIP Code  
Venice Florida 34293

Company NAIC Number

If using the Elevation Certificate to obtain NFIP flood insurance, affix at least 2 building photographs below according to the instructions for Item A6. Identify all photographs with date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8. If submitting more photographs than will fit on this page, use the Continuation Page.



Photo One

Photo One Caption Front View 6/06/17



Photo Two

Photo Two Caption Rear View 6/06/17

**ELEVATION CERTIFICATE**

**BUILDING PHOTOGRAPHS**

Continuation Page

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<b>IMPORTANT: In these spaces, copy the corresponding information from Section A.</b>			<b>FOR INSURANCE COMPANY USE</b>
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City Venice	State Florida	ZIP Code 34293	Company NAIC Number

If submitting more photographs than will fit on the preceding page, affix the additional photographs below. Identify all photographs with: date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8.

**Photo One**

Photo One

Photo One Caption

**Photo Two**

Photo Two

Photo Two Caption





# Flood Flaps Product Guide

## Unmatched Value & Superior Performance



### Multi-Purpose Series Flood Vents (NF) "Unmatched Value"

Flood Flaps® Multi-Purpose Series vents are certified to provide flood protection and air ventilation. These models are perfectly designed for an enclosure or crawlspace in a flood plain that desires natural air while still providing efficient flood relief when necessary. The patented grill remains closed and secure until forced open by flood waters, allowing water to enter or exit the enclosed area. These automatic foundation flood vents are also FEMA/NFIP compliant.

#### With Trim Flange:

SKU #	UPC#	Coverage area	Foundation Type	Flood Vent Dimensions	Color Options
FFNF12TF	853666 006028	220 sq. ft.	Block with Brick/Stone	15 5/8" L x 7 3/4" H x 12" D	Black, White, Gray
FFNF08TF	853666 006004	220 sq. ft.	Block/Stucco	15 5/8" L x 7 3/4" H x 8" D	Black, White, Gray
FFNF05TF	853666 006011	220 sq. ft.	Wood frame	15 5/8" L x 7 3/4" H x 5" D	Black, White, Gray



**BLACK**  
FFNF12TF  
FFNF08TF  
FFNF05TF



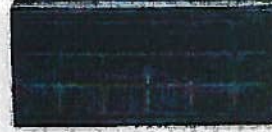
**WHITE**  
FFNF12TF-W  
FFNF08TF-W  
FFNF05TF-W



**GRAY**  
FFNF12TF-G  
FFNF08TF-G  
FFNF05TF-G

#### Without Trim Flange:

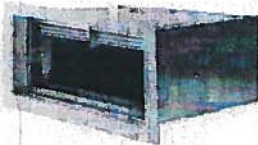
SKU #	UPC#	Coverage area	Foundation Type	Flood Vent Dimensions	Color Options
FFWF12	865089 000002	220 sq. ft.	Block with Brick/Stone	15 5/8" L x 7 3/4" H x 12" D	Black, White, Gray
FFWF08	865089 000026	220 sq. ft.	Block/Stucco	15 5/8" L x 7 3/4" H x 8" D	Black, White, Gray
FFWF05	865089 000019	220 sq. ft.	Wood frame	15 5/8" L x 7 3/4" H x 5" D	Black, White, Gray



### Flood Flaps Fire Damper Kits

Flood Flaps® Fire Damper Kit is an ideal solution for transitions (i.e. walls between garages and crawl spaces) requiring both flood protection and fire prevention. The kit includes a 16" x 8" x 2" galvanized fire damper, galvanized interior trim flange and galvanized inner sleeve that is accompanied by a Flood Flaps® Sealed Series engineered flood vent (FFWF05). The fire damper is rated for 3 hours.

SKU #	UPC#	Flange installed	Coverage area	Damper Kit Dimensions
FFFDKT	865089 000071	Yes	220 sq. ft.	16" L x 8" H x 12" D



### Flood Vent Accessories

SKU #	UPC#	Dimensions	Weight (LBS)	Colors
FFVATF	853666 006073	16" L x 8" H x 2" D	0.4	Black, White
FFVAWI	853666 006080	16" L x 8" H x 1/2" D	0.2	Charcoal



FFNF05TF with Exterior Winterizer Insulator Accessory



White Interior Trim Flange Accessory

**ICC-ES Evaluation Report**

**ESR-3560**

Reissued September 2015

This report is subject to renewal September 2017.

[www.icc-es.org](http://www.icc-es.org) | (800) 423-6587 | (562) 699-0543

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**DIVISION: 08 00 00—OPENINGS**  
**Section: 08 95 43—Vents/Foundation Flood Vents**

**REPORT HOLDER:**

**FLOOD FLAPS®**, LLC  
 2707 WATERPOINTE CIRCLE  
 MT. PLEASANT, SOUTH CAROLINA 29466  
 (843) 849-8031  
[www.floodflaps.com](http://www.floodflaps.com)  
[info@floodflaps.com](mailto:info@floodflaps.com)

**EVALUATION SUBJECT:**

**FLOOD FLAPS® FLOOD VENTS: MODELS FFWF12; FFNF12; FFWF08; FFNF08; FFWF05; FFNF05**

**1.0 EVALUATION SCOPE**

Compliance with the following codes:

- 2012 and 2009 International Building Code® (IBC)
- 2012 and 2009 International Residential Code® (IRC)

Properties evaluated:

- Physical operation
- Water flow
- Weathering

**2.0 USES**

Flood Flaps® are used to provide for the equalization of hydrostatic flood forces on exterior walls.

**3.0 DESCRIPTION**

**3.1 General:**

Flood Flaps® flood vents are engineered mechanically operated flood vents (FVs) that automatically allow flood waters to enter and exit enclosed areas. The FVs are constructed of ABS plastic which serves as the FV's housing, and a front grill that contains an anodized metal screen imbedded in polypropylene plastic. On contact with rising flood water, the grill will disengage from its secured position, allowing flood water and debris to flow through in either direction.

The sealed series models contain two rubber flaps that close the FV to the passage of air when using with conditioned areas or sealed crawl spaces. In the same manner as the grill, the two rubber flaps are pushed open by water pressure, allowing water and debris to flow

through the FV in either direction. See Figure 1 for an illustration of the Flood Flaps® FV.

**3.2 Engineered Opening:**

The Flood Flaps® FVs comply with the design principle noted in Section 2.6.2.2 of ASCE/SEI 24 for a rate of rise and fall of 5 feet per hour (0.423 mm/s). In order to comply with the engineered opening requirement of ASCE/SEI 24, Flood Flaps® FVs must be installed in accordance with Section 4.0.

**3.3 Model Sizes:**

The Flood Flaps® FV model designations and sizes are as follows:

MODEL	WIDTH (in)	HIGHT (in)	DEPTH (in)
FFWF12 FFNF12	15 <sup>5</sup> / <sub>8</sub>	7 <sup>3</sup> / <sub>4</sub>	12
FFWF08 FFNF08	15 <sup>5</sup> / <sub>8</sub>	7 <sup>3</sup> / <sub>4</sub>	8
FFWF05 FFNF05	15 <sup>5</sup> / <sub>8</sub>	7 <sup>3</sup> / <sub>4</sub>	5

For SI: 1 inch = 25.4 mm.

The FFWF series include two rubber flaps for the prevention of air flow. The FFNF series omit the rubber flaps.

**3.4 Ventilation:**

Flood Flaps® FV models FFNF12, FFNF08, FFNF05, and FFNF02 have metal screens with 1/4 inch by 1/4 inch (6 mm by 6 mm) openings and provide 37 square inches of net free opening to supply natural ventilation for under-floor ventilation. Flood Flaps® FV models FFWF12, FFWF08, and FFWF05 have not been evaluated for use as openings for under-floor ventilation.

**4.0 DESIGN AND INSTALLATION**

Flood Flaps® FVs are designed to be installed into walls of existing or new construction. Installation of the FVs must be in accordance with the manufacturer's instructions, the applicable code and this report. Flood Flaps® FVs can be installed in wood, masonry and concrete walls up to a thickness of 12 inches (305 mm). In order to comply with the engineered opening design principle noted in Section 2.6.2.2 of ASCE/SEI 24, the Flood Flaps® FVs must be installed as follows:

- With a minimum of two openings on different sides of each enclosed area.

ICC-ES Evaluation Reports are not to be construed as representing aesthetics or any other attributes not specifically addressed, nor are they to be construed as an endorsement of the subject of the report or a recommendation for its use. There is no warranty by ICC Evaluation Service, LLC, express or implied, as to any finding or other matter in this report, or as to any product covered by the report.





- With a minimum of one FV for every 220 square feet (20 m<sup>2</sup>) of enclosed area.
- Below the base flood elevation.
- With the bottom of the FV located a maximum of 12 inches (305 mm) above grade.

#### 5.0 CONDITIONS OF USE

The Flood Flaps<sup>®</sup> flood vents described in this report comply with, or are suitable alternatives to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

- 5.1 The Flood Flaps<sup>®</sup> FVs must be installed in accordance with this report, the applicable code and the manufacturer's installation instructions. In the event of a conflict, the instructions in this report govern.

- 5.2 The Flood Flaps<sup>®</sup> FVs must not be used in place of "breakaway walls" in coastal high hazard areas, but are permitted for use in conjunction with breakaway walls in other areas.

#### 6.0 EVIDENCE SUBMITTED

Data in accordance with the ICC-ES Acceptance Criteria for Mechanically Operated Flood Vents (AC308), dated October 2013.

#### 7.0 IDENTIFICATION

The Flood Flaps models recognized in this report are identified by a label bearing the manufacturer's name, the model number, and the evaluation report number (ESR-3560).

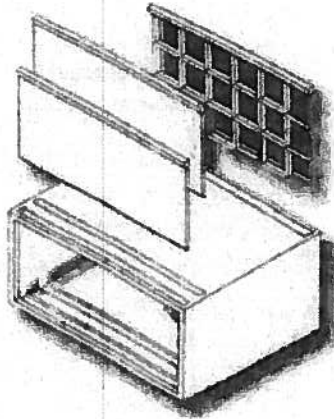


FIGURE 1—FLOOD FLAPS<sup>®</sup> FLOOD VENT



3 vents installed on one side of garage.



1 vent installed on opposite wall.



Close up of vents installed over all 4 openings.

